

Chemistry SLOs - *Last Updated: June 2020*

Term 1

Core Strand/ Standard(s)	Student Learning Objective	Common Assessment Terms
Chem 1.1 & 1.5	I can use the periodic table to identify patterns and trends in the relative properties of elements including ionization energy, atomic radius, electronegativity and reactivity.	Isotope, Electron, Element, Proton, Neutron, Atomic Number, Atomic Mass, Mass Number, Valence Electrons, Ionization energy, atomic radius, Electronegativity, Ion, electron affinity

Term 2

Core Strand/ Standard(s)	Student Learning Objective	Common Assessment Terms
Chem 2.2	I can investigate type of bonds in a compound based on the properties and structure of that compound. I can use models to identify macro scale properties.	Molecule, VSEPR, Lewis Dot Structure, Polar, Non-polar

Term 3

Core Strand/ Standard(s)	Student Learning Objective	Common Assessment Terms
Chem 3.1	I can calculate the proportion of particles in solution and analyze the impact of concentration on solution properties.	Solution, Mole, Molarity, Molality, Colligative Properties, pH, acid, base
Chem 3.4	I can model the conservation of mass or energy in a system on both a large (global) and small scale.	Stoichiometry, Conservation of mass, mole, mole ratio

Term 4

Core Strand/ Standard(s)	Student Learning Objective	Common Assessment Terms
Chem 4.1	I can make a claim based on evidence to support ideas about how energy exits and enters the system.	Exothermic, Endothermic